

Abstract

An increase in angular acceleration α of a rotating shaft of a motor, which outputs a torque to a drive shaft
5 linked to drive wheels, may cause a skid on the drive wheels.
In response to detection of a skid, the control procedure
of the invention sets a maximum torque T_{\max} according to
a preset map representing a relation between the angular
acceleration α and the maximum torque T_{\max} , and restricts
10 an output torque level to the drive shaft. The map is set
to decrease the maximum torque T_{\max} with an increase in
angular acceleration α . The restricted output torque
level is restored at a zero cross timing of the angular
acceleration α after a negative peak in the course of
15 convergence of the skid. This arrangement makes the
direction of the torque restored from the torque
restriction identical with the direction of the angular
acceleration, thus effectively reducing torsions of the
drive shaft and thereby preventing potential torsional
20 vibrations of the drive shaft.